

Appl. No. 10/820,590
Docket No. 9031R
Amdt. dated January 26, 2010
Reply to Office Action mailed on October 26, 2009
Customer No. 27752

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A packaged tooth whitening product, comprising:
a backing layer;
~~a~~ an adhesive layer of a tooth whitening composition comprising first and second polymers, from about 10% to about 90% water, and a tooth whitening agent, wherein said first polymer is polyethylene oxide having an average molecular weight between about 300,000 and about 900,000 and said second polymer is polyvinyl alcohol.

Claim 2 (Previously Presented): The packaged tooth whitening product of claim 1, wherein the concentration of said first polymer is between about 10% and about 90% and said tooth whitening agent is between about 1% and about 40% by weight of said tooth whitening composition.

Claim 3 (Previously Presented): The packaged tooth whitening product of claim 1, wherein the concentration of said second polymer is between about 0.5% and about 50% by weight of said tooth whitening composition.

Claim 4 (Cancelled).

Claim 5 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said tooth whitening composition further comprises a plasticizer having a concentration between about 1% and about 80% by weight of said tooth whitening composition.

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Claim 6 (Previously Presented): The packaged tooth whitening product of claim 5, wherein said plasticizer is polyethylene glycol.

Claim 7 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said polyvinyl alcohol has a hydrolysis between about 70% and about 91%.

Claim 8 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said backing layer is a laminate.

Claim 9 (Cancelled).

Claim 10 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said first polymer comprises a mixture of two or more polyethylene oxides and wherein said polyethylene oxides have different average molecular weights.

Claim 11 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said tooth whitening agent is hydrogen peroxide.

Claim 12 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said first and second polymers are water soluble.

Claims 13-16 (Cancelled).

Claim 17 (Cancelled).

Claim 18 (Currently Amended): The packaged tooth whitening product of claim 1, wherein the backing layer is ~~substantially~~ water impermeable.

Claim 19 (Previously Presented): The packaged tooth whitening product of claim 1, wherein the backing layer is discontinuous.

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Claim 20 (Previously Presented): The packaged tooth whitening product of claim 1, wherein the backing layer comprises a plurality of holes.

Claim 21 (Previously Presented): The packaged tooth whitening product of claim 20, wherein the tooth whitening composition comprises a plurality of holes.

Claim 22 (Cancelled).

Claim 23 (Previously Presented): The packaged tooth whitening product of claim 1, wherein the tooth whitening composition is formed by casting.

Claim 24 (Previously Presented): The packaged tooth whitening product of claim 1, wherein the layer of a tooth whitening composition is coextensive with the backing layer.

Claim 25 (Previously Presented) The packaged tooth whitening product of claim 1, wherein the backing layer is partially water permeable.

Claim 26 (Previously Presented) The packaged tooth whitening product of claim 1, wherein the tooth whitening product has a thickness less than 1 mm.